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**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

Application Number	10/581,566
Filing Date	June 2, 2006
Corresponding to Application Number	PCT/US2004/40565
Filing date	December 3, 2004
First Named Inventor	Lipshutz, Bruce H.
Title	Practical, Cost-Effective Synthesis of Ubiquinones
Art Unit	1617
Examiner Name	Not Yet Assigned
Attorney Docket Number	61810-5002-US02

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

☒ Practitioners associated with the Customer Number:  
OR

43850

☐ Practitioner(s) named below:

Name	Regulation Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number:  
OR☐ The address associated with Customer Number:  
OR☐ Firm or  
Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the:

- ☐ Applicant/Inventor.  
☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Signature

Name

Title and Company

Volker Berl, Ph.D., M.B.A.

Vice President, Zymes, LLC

Date

May 8, 2007

Telephone 1 201.727.1520 ext 114

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Bruce H. Lipshutz, Volker Berl, Frank Wetterich, Karin ScheinApplication No./Patent No.: 10/581,566Filed/Issue Date: June 2, 2006Entitled: PRACTICAL, COST-EFFECTIVE SYNTHESIS OF UBIQUINONESZYMES, LLCa Delaware corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

May 8, 2007

Date

Signature

Volker Berl, Ph.D., M.B.A.

Typed or printed name

Vice President

Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS, Bruce H. Lipshutz of 452 Albany Ct., Goleta, California, 93117, Volker Berl of 2, rond point de l'Esplanade, 67000 Strasbourg, France; Frank Wetterich of Hans-Willmann-Str. 11, Wachenheim, Federal Republic of Germany, 67157; and Karin Schein of Krongasse 17, Ludwigshafen, Federal Republic of Germany, 57065, hereinafter referred to as "Assignors" of the invention described and set forth in the below-identified patent application:

Title of Invention: PRACTICAL, COST-EFFECTIVE SYNTHESIS OF UBIQUINONES

Filing Date: June 6, 2006

Application No.: 10/581,566; and

WHEREAS, Zymes, LLC, located at 777 Terrace Avenue, Hasbrouck Heights, NJ 07604, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that Assignors will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Morgan, Lewis & Bockius LLP, One Market, Spear Street Tower, San Francisco, CA 94105, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed his/her names on the dates indicated.

Dated: 4/20/07

Bruce H. Lipschutz  
BRUCE H. LIPSHUTZ

On \_\_\_\_\_, before me (see Witnesses below) personally appeared BRUCE H. LIPSHUTZ, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1.: [Signature]

Date: 4/20/07

WITNESS NO. 2.: [Signature]

Date: 4-20-07

Dated: \_\_\_\_\_

\_\_\_\_\_  
VOLKER BERL

On \_\_\_\_\_, before me (see Witnesses below) personally appeared VOLKER BERL, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1.: \_\_\_\_\_

Date: \_\_\_\_\_

WITNESS NO. 2.: \_\_\_\_\_

Date: \_\_\_\_\_

Dated: \_\_\_\_\_

\_\_\_\_\_  
FRANK WETTERICH

On \_\_\_\_\_, before me (see Witnesses below) personally appeared FRANK WETTERICH, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1.: \_\_\_\_\_

Date: \_\_\_\_\_

WITNESS NO. 2.: \_\_\_\_\_

Date: \_\_\_\_\_

IN TESTIMONY WHEREOF, Assignors have signed his/her names on the dates indicated.

Dated: \_\_\_\_\_

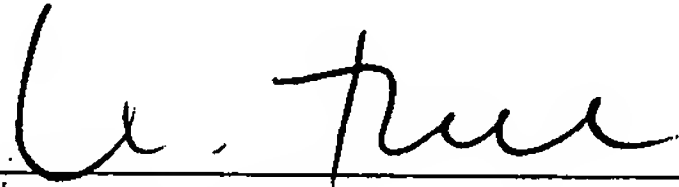
\_\_\_\_\_  
BRUCE H. LIPSHUTZ

On \_\_\_\_\_, before me (see Witnesses below) personally appeared BRUCE H. LIPSHUTZ, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1.: \_\_\_\_\_ Date: \_\_\_\_\_

WITNESS NO. 2.: \_\_\_\_\_ Date: \_\_\_\_\_

Dated: 22/04/07

  
VOLKER BERL

On 4/22/07, before me (see Witnesses below) personally appeared VOLKER BERL, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1.:  Date: 4/22/07

WITNESS NO. 2.:  Date: 4/22/07

Dated: \_\_\_\_\_

\_\_\_\_\_  
FRANK WETTERICH

On \_\_\_\_\_, before me (see Witnesses below) personally appeared FRANK WETTERICH, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1.: \_\_\_\_\_ Date: \_\_\_\_\_

WITNESS NO. 2.: \_\_\_\_\_ Date: \_\_\_\_\_

Assignment

Attorney Docket No.: 61810-5002-US02

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On \_\_\_\_\_, before me (see Witnesses below) personally appeared BRUCE H. LIPSHUTZ, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1.: \_\_\_\_\_ Date: \_\_\_\_\_

WITNESS NO. 2.: \_\_\_\_\_ Date: \_\_\_\_\_

Dated: \_\_\_\_\_

\_\_\_\_\_  
VOLKER BERL

On \_\_\_\_\_, before me (see Witnesses below) personally appeared VOLKER BERL, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1.: \_\_\_\_\_ Date: \_\_\_\_\_

WITNESS NO. 2.: \_\_\_\_\_ Date: \_\_\_\_\_

Dated: 08.05.07

Frank Wetterich  
FRANK WETTERICH

On 08.05.07, before me (see Witnesses below) personally appeared FRANK WETTERICH, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1.: [Signature] Date: 08.05.07

WITNESS NO. 2.: [Signature] Date: 08.05.07



Assignment

Attorney Docket No.: 61810-5002-US02

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Dated: 04 / 23 / 2007

Karin Schein  
KARIN SCHEIN

On 04 / 23 / 2007, before me (see Witnesses below) personally appeared KARIN SCHEIN, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1.: [Signature]

Date: 23.4.07

WITNESS NO. 2.: William K Moberg

Date: 23.04.2007